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USSN: 10/707,843

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1. A method of collecting minus 20 mesh gold using a sluice including a gold collecting medium, comprising:

using water having a PH range between 4 and 8;

flowing the water over a the gold collecting medium located in a sluice, in order to induce a positive surface charge on the gold collecting medium due to the interaction between the water and the gold collecting medium;

feeding minus 20 mesh gold laden material into the sluice with the flowing water to induce a negative surface charge on minus 20 mesh gold particles of the colloidal gold laden material and create a slurry of minus 20 mesh gold laden material and water, whereby the water induces a negative surface charge on the minus 20 mesh gold particles;

setting the flow rate of the slurry into the sluice such that the minus 20 mesh gold particles are attracted to the gold collecting medium; and

collecting the minus 20 mesh gold particles from the gold collecting medium that were attracted to gold collecting medium.

2. (cancel)

3. The method of claim 1, wherein the minus 20 mesh gold particles are one-sixteenth of inch or less in size.

4. The method of claim 1, wherein the gold collecting medium is a plastic material.
5. The method of claim 1, wherein the gold collecting medium is a vinyl material.
6. The method of claim 1, wherein the gold collecting medium includes ribs and grooves between the ribs.
7. The method of claim 6, wherein the gold collecting medium is a vinyl material.
8. The method of claim 6, wherein the gold collecting medium is a plastic material.
9. (cancel)
10. (cancel)
11. (cancel)
12. (cancel)
13. A gold separation device for collecting minus 20 mesh gold particles, comprising:

a sluice having an input end and an output end, said input end for receiving water of a PH range between 4 and 8, and said output end for releasing said water;

a water input directed into said input end of said sluice; and

a gold collecting medium in said sluice between said input end and said output end, said gold collecting medium being of a material which incurs a

positive surface charge when immersed in water due to the interaction between the water and the gold collecting medium.

14. The gold separation device of claim 13, further including a hopper between said water input and at said input end of said sluice.

15. The gold separation device of claim 14, further including a gate valve between said hopper and said input end of said sluice to control flow into said sluice.

16. The gold separation device of claim 13, wherein said gold collecting medium is plastic.

17. The gold separation device of claim 13, wherein said gold collecting medium is vinyl.

18. The gold separation device of claim 13, wherein said gold collecting includes ribs and grooves between said ribs.

19. The gold separation device of claim 13, further including a hopper between said water input and at said input end of said sluice; and wherein said gold collecting includes ribs and grooves between said ribs.

20. The gold separation device of claim 19, wherein said gold collecting medium is vinyl.